

DIALOGUE

User's Manual

Revision: 1.04

flybook

CAUTION

To reduce the risk of fire, use only No.26 AWG or larger telecommunication line cord.

Thanks

Thank you for purchasing the Dialogue FlyBook. This advanced, ultra-portable computer with wireless and wired communication features built-in can now become your closest companion, keeping computing power and information available to you conveniently at any time. We hope you enjoy using the FlyBook. For information on using the FlyBook or for any other questions, please refer to this manual or contact us. We will be very glad to serve you.

Announcement

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About this user's manual

This user's manual includes essential information for users who need to use or manage the FlyBook computer.

The content covers all FlyBook models. Please refer to information pertaining to your model and disregard unrelated material.

Windows® XP Home Edition is the default operating system of the FlyBook computer. All of the descriptions in this manual are based upon the Windows® XP Home Edition.

For more information about the FlyBook, read the online help in your computer, consult your dealer, or visit our Web site (<http://www.dialogue.com.tw>) to get more information.

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Chapter 1

Before You Start

- NOTE

- Do not connect the adapter to supply the computer with power when the DDR SO-DIMM modules, hard disk drive, and battery pack have not been installed.
 - If the computer is being used for the first time, the battery pack must be fully charged.
 - Only DDR SO-DIMM modules can be used in the computer. It is important to select DDR SO-DIMM modules from the list in the Appendix, there is no guarantee of proper work for DDR DRAM modules not on the said list.

Packing list

The following items are included in the package:

Item		Note
1	FlyBook computer	Be cautious when unpacking and unwrapping the computer.
2	Battery pack	Take off the protective cover before installing and using the battery pack.
3	DDR SO-DIMM module	The memory capacity depends on the size you bought when purchasing the FlyBook. (For a complete unit, the DDR SO-DIMM module is installed.)
4	Hard disk	The 2.5-inch slim-type standard hard disk storage capacity depends on the size you bought when purchasing the FlyBook. (For a complete unit, this has hard disk is installed.)

	Item	Note
5	AC-to-DC adapter	Powers the FlyBook computer. Note: Read the specifications and cautions on the adapter before use.
6	Power cord	Connects the AC-to-DC adapter to an AC power source.
7	Stylus pen	Used with the touch panel input device.
8	Video out conversion adapter	Connects a TV to FlyBook.
9	Quick start guide	Helps you become familiarized with the FlyBook computer.
10	User's manual	This user's manual.
11	Recovery CD	Restores your FlyBook computer to its original operating state. The recovery CD includes pre-installed Microsoft® Windows XP drivers and utilities.
12	Windows XP Home Edition authority	Proves that the Windows XP Home Edition installed in your FlyBook computer is legally licensed.
13	Warranty card	Keeps the Product ID, service information, and warranty information about your FlyBook computer. Keep the warranty card in a safe place.
14	Slip bag	Enables you to carry the FlyBook computer when moving or travelling.

NOTE

Contact Dialogue Technology Corporation or the authorized resellers for updated packing list.

Statement of limited warranty

Dialogue Technology Corporation provides a 1 year limited warranty for all FlyBook models that are purchased as complete units.

The warranties provided by Dialogue Technology Corporation in this statement of limited warranty apply only to the computer purchased for your own use, and not for resale.

All warranty services we provide are bench based except for specific contracts.

Nothing in this statement affects any statutory rights of customers that cannot be waived or are limited by a contract.

This warranty provides you with specific legal rights; you may have other rights which vary from different jurisdictions.

What the warranty covers

- The warranty period starts from the original date of installation. The date of your invoice or sales receipt is the date of installation unless Dialogue Technology Corporation or authorized resellers inform you otherwise.
- The computer is warranted free from defects in materials and workmanship.
- The computer is warranted to conform to the official published specifications.
- Replacement parts assume the warranty service status of the removed part only.
- These warranties apply only in the country or region of purchase, unless Dialogue Technology Corporation specifies otherwise.

What the warranty does not cover

- Any software programs obtained from third parties are not warranted, whether they are shipped or pre-loaded with the computer, installed subsequently, or otherwise.
- Failure due to misuse, viruses, accidents, modification, unsuitable physical or operating environments, or improper maintenance.
- Integrated or peripheral devices that are not provided by Dialogue Technology Corporation.
- Removal or alteration of identification labels on the computer or its parts voids the warranty.
- Dialogue Technology Corporation does not warrant uninterrupted or error-free operation of the computer.

How to obtain service during the warranty period

If the computer does not function as warranted during the warranty period, please contact a service center or authorized reseller to obtain service.

In general, you must show the information or evidence as stated on the warranty card to the service center before you request the service.

Also, provide the following information:

- Summary of the problem
- What steps you took to try and resolve the problem.

Remember to back up or secure your personal data before delivering the computer to the service center. There is no guarantee that your data can be safely reserved during the service and maintenance period.

Provide the service center or your reseller with sufficient, free, and safe access rights to your computer to fulfill its obligations.

NOTE

- Service procedures vary from country to country or region to region. Please see your warranty card to get further information about service in your area.
 - Remember to back up or secure your personal data before delivering your computer to a service center.
-

Limitation of liability

- The total liability of Dialogue Technology Corporation arising out of this statement shall be limited to the amount paid by you for the product.
- In no event shall Dialogue Technology Corporation be liable for costs of substitute products or services.
- In no event shall Dialogue Technology Corporation be liable to any entity for any special, consequential, incidental or other damages, however caused and on any theory of liability, and whether or not breach of contract, negligence or otherwise, and whether or not Dialogue Technology Corporation has been advised of the possibility of such damage.
- These limitations will apply notwithstanding any failure of essential purpose of any limited remedy provided herein.
- The limitation of liability of Dialogue Technology Corporation is cumulative, with all expenditures of Dialogue Technology Corporation being aggregated to determine satisfaction of the limit.
- The existence of claims or suits shall not enlarge or extend the limit under this statement.
- In no event shall any resellers or suppliers of Dialogue Technology Corporation be liable for any direct, indirect, consequential or other damages arising out of this statement.

How to get help

The following sources of help are available when looking for information or resolving any problems you have in using the FlyBook:

- The computer's online help
- This manual
- A local service center
- The service Web site

Service information can be found on your warranty card.

Taking care of your FlyBook

Knowing how to take care of your FlyBook avoids accidental damage to the computer and extends its lifespan. Read the following instructions carefully:

Taking care of your AC-to-DC adapter and power cord

- Read through the specifications and cautions on the adapter.
- Make sure the power source is within operating safety ranges and that the power is stable before connecting the adapter to the source.
- Do not connect the adapter to any other devices.
- Do not put heavy objects on top of the adapter or power cord.
- Do not put the adapter or power cord where people can step on them.
- When unplugging the power cord, do not pull on the power cord itself; pull on the plug.
- Disconnect the adapter from the power source when not in use.
- The power supply should be +19V, min. 2.64A output. Delta Electronics Inc. Model: ADP-50SB

Taking care of your computer

- Note all cautions or warnings on the computer.
- Do not expose the computer to temperatures above 50°C or below 0°C.
- Keep the computer away from direct sunlight or heat.
- Do not expose the computer to rain or moisture.
- Do not spill water or any liquid on the computer.
- Do not place the computer near magnetic fields.
- Avoid heavy shock or vibration to the computer.
- Do not expose the computer to dusty or dirty environments.
- Do not put any objects on the top of the computer.
- Do not place the computer on uneven surfaces.
- Do not turn the hinge in the wrong direction, or bend the upper and lower case over their allowed operational positions. Make sure the convertible hinge is at the fixed position before closing the display screen.
- Do not slam the display screen when closing it.
- Only use the stylus pen supplied with the computer to operate the touch panel.
- Do not cover the ventilation slots on the computer case; doing so blocks the air convection of the cooling system.
- Do not use any other adapters except those specified for the computer.
- Make sure the computer is turned off and the adapter is unplugged before changing system modules (such as the battery pack, DDR SO-DIMM modules, or the hard disk).

Taking care of your battery pack

- Read all cautions on the battery.
- Keep the battery away from direct sunlight or heat. The best temperature to store the battery when not in use is between 0°C and 30°C.
- Do not expose the battery to rain or moisture.
- Do not spill water or any liquid on the battery.
- Avoid heavy shock to the battery.
- Do not put any heavy objects on the top of the battery.
- Keep the battery away from children.
- Periodically calibrate the battery (refer to the **System Recovery Utility Reference Guide**).
- Dispose of the battery properly and legally.

Chapter 2

Introduction

Not only a notebook computer with high performance and mobility, your FlyBook introduces a new way of using computers. The FlyBook computer comes with the following versatile features and capabilities:

- Small form-factor and ultra-light weight provides maximum portability.
- Innovative “Prompt to Play” user interface and convertible display screen enables you to use the computer under almost all operational conditions.
- Versatile communications (wireless & wired) cover FlyBook within most of the popular networks. You can access information easily and instantly almost any time and anywhere.
- Most abundant and standard I/O ports connect a wide variety of expansion options.

In spite of its small form factor, your FlyBook’s multimedia functionality is better than most notebook computers. The following sections describe significant features of your FlyBook computer.

A brief tour of your FlyBook computer

Front view

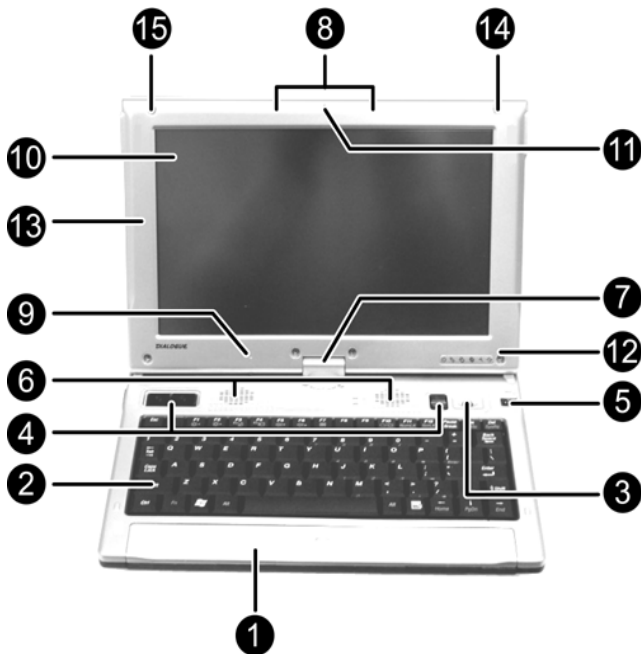


Figure 1 – FlyBook computer front view

Item		Note
1	Battery bay	Houses the computer's battery pack.
2	Keyboard	Enables users to input data and control the computer.
3	Track point	Functions as a pointing device providing you with all the functionality of a mouse moving as well as panning keys (when the panning function is enabled).

	Item	Note
4	Left and right click buttons (x2)	Functions like a mouse's left and right buttons.
5	Pan button	Enables you to toggle the panning function on and off.
6	Speakers (x2)	Enable you to listen to the computer audio.
7	Convertible hinge	Supports the computer's display screen and enables you to change the computer to tablet mode or notebook mode.
8	Magnetic latch (hidden inside)	Latches the computer's display screen in both tablet mode and notebook mode.
9	Lid switch	Automatically turns off the display screen while the display screen is closed in notebook mode.
10	LCD display screen and pressure-sensitive touch panel	Displays the computer output and enables users to operate the computer by touching the screen with the provided stylus pen.
11	Microphone	Enables you to record audio.
12	Indicators	LEDs that show the status of key parts or subsystems.
13	GPRS with antenna (built-in)	Supports the built-in GPRS modules (optional for select models).
14	Wireless LAN with antenna (built-in)	Supports the built-in Wireless LAN module.
15	Bluetooth with antenna (built-in)	Supports built-in Bluetooth module (optional for select models).

Rear view

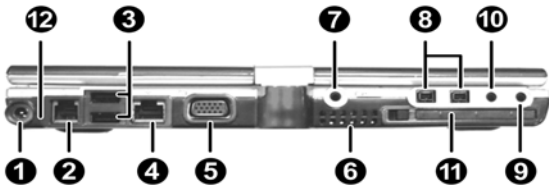


Figure 2 – FlyBook computer rear view

Item	Note
1 DC-in power jack	Connects the computer to an adapter which supplies the computer with power.
2 RJ-11 fax/data modem jack	Enables the computer to connect with a phone line to make a dial-up link.
3 USB port (x2)	Enable the computer to connect with USB (1.1/2.0) devices.
4 RJ-45 Ethernet jack	Connects the computer to a hub to make an Ethernet link.
5 D-sub15 external display port	Enables the computer to connect with an external VGA display device.
6 Ventilation opening	Enables air circulation to keep the system cool.
7 Video out port (Support NTSC/PAL format)	Enables the computer to connect with a video display device. Note: A conversion adapter is included in your package.Different format is selected in BIOS by using BIOS setup procedure.

	Item	Note
8	1394 port (x2)	Enable the computer to connect with IEEE 1394 (Firewire) devices.
9	Microphone jack	Enables the computer to connect with a microphone.
10	Earphone jack	Enables the computer to connect with an earphone or speaker.
11	PC card slot	Accepts type-I or type-II CardBus PC cards.
12	Strap hole	Enables you to attach a carrying strap.

Left view

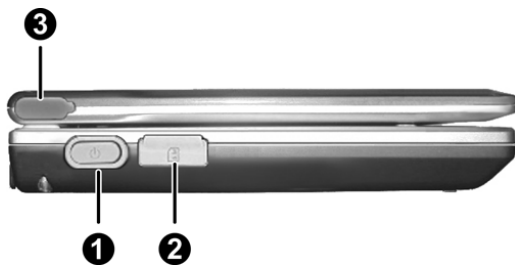


Figure 3 – FlyBook computer left view

	Item	Note
1	Power button	Turns the computer on and off.
2	SIM card slot	Accepts GPRS or CDMA SIM cards.
3	GPRS external antenna port	Enables the computer to connect to an external GPRS or CDMA antenna. Note: It may be used only in very rare case.

Right view

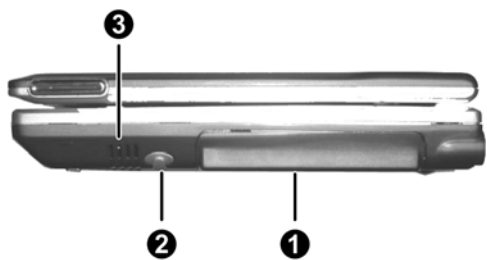


Figure 4 – FlyBook right view

	Item	Note
1	Hard disk bay	Houses the computer's hard disk.
2	Stylus pen holder	Holds a stylus pen.
3	Ventilation opening	Enables air circulation to keep the system cool.

Bottom view

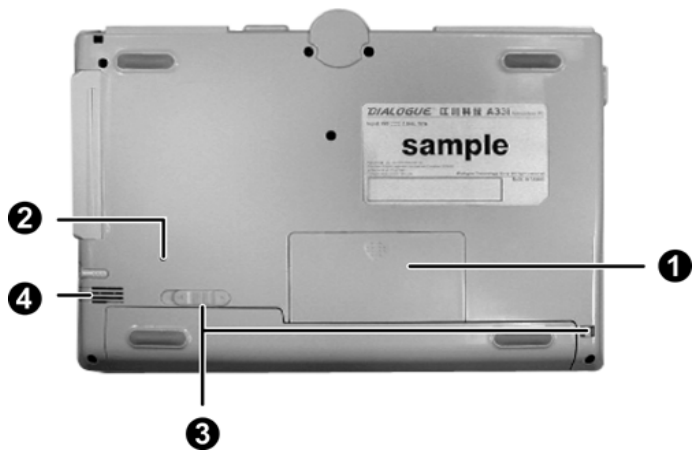


Figure 5 – FlyBook computer bottom view

Item		Note
1	DDR SO-DIMM and CMOS battery compartment	Houses the computer's DDR SO-DIMM modules and CMOS battery.
2	Reset switch	Resets the computer main board to factory default values.
3	Battery latches (x2)	Secure the battery pack.
4	Ventilation opening	Enables air circulation to keep the system cool.

FlyBook features

Processor

- Transmeta Crusoe TM5800 processor at 1 GHz

Memory

- System Memory: one DDR SO-DIMM, 512 MB maximum
- Video RAM: 16 MB in ATI VGA chipset
- BIOS ROM: 512 KB flash ROM with boot block

Storage

- Hard disk: 20/30/40/60 GB 2.5-inch ATA/IDE hard disk
- Memory card: CardBus PC card slot
- Optional CD ROM and other storage devices: external using USB/IEEE 1394 link

Power

- High-performance power management system with ACPI (Advanced Configuration Power Interface)
- DC power supply (through an AC-to-DC adapter)
- High-capacity battery pack
- Battery charging: direct DC charging (through AC-to-DC adapter)

Display

- Screen: 8.9-inch LTPS (Low Temperature Poly-Silicon) wide-XVGA TFT (Thin Film Transistor) LCD (Liquid Crystal Display) that displays 18-bit color at 1024*600
- 3D display capability
- Supports external VGA display device (LCD/CRT monitor, projector)
- Supports video display device (TV)

Audio

- Integrated ALI (M1535+) AC-Link audio, compliant with AC97
- Audio output to earphone or built-in speakers
- Record audio or voice using built-in microphone

Input devices

- 80-key (or 86-key in some countries) mini-size Windows enhanced keyboard with hot key support
- One (1) track point, two (2) sets of mouse buttons (left and right button) built-in
- Display panning support (PAN button)
- Built-in pressure-sensitive, palm-rejection touch panel

I/O ports

- D-sub15 VGA output port
- Video output port
- Earphone/line-out (stereo)
- Microphone in
- Two (2) USB2.0 ports
- Two (2) 1394 ports
- Ethernet port
- Fax/data modem port
- DC-in jack
- SIM card slot (for GPRS)
- Type II CardBus PC card slot

Communication

- 10/100 Mbps Ethernet link
- Dial-up link (built-in V.90 56K fax/data modem module and port)
- Wireless LAN connection (built-in Wireless LAN module and antenna)
- Bluetooth communication (built-in Bluetooth module and antenna)
- GPRS communication (built-in GPRS module and antenna)

Convertible display screen and working modes

Through the convertible hinge, the computer's display screen can be turned 180 degrees clockwise and counterclockwise. This smart design makes the computer capable of working in 2 modes, notebook mode and tablet mode. Your computer becomes a highly portable and versatile PC.

CAUTION Do not bend the screen beyond its allowed positions. Damage from this misuse is not included in the warranty.

Working modes

Notebook mode

In “notebook mode,” the display screen is not turned and the FlyBook is used just like a notebook computer.



Figure 6 – Notebook mode

Tablet mode

When the display screen is turned 180 degrees clockwise and latched, the FlyBook is in “tablet mode,” and the computer is used just like a Tablet PC.



Figure 7 – Tablet mode

Changing working modes

Change the FlyBook between tablet and notebook modes to suit your operation requirements. Follow the steps below:

Turning to tablet mode

When the computer is in notebook mode:

1. Open the display screen to an angle between 85 to 95 degrees.



Figure 8 – Opening the display screen

2. Turn the display screen 180 degrees clockwise until the display clicks into place.



Figure 9 – Turning the display screen

-
3. Carefully press the display down.



Figure 10 – Placing the FlyBook in tablet mode

Turning to notebook mode

When the computer is in tablet mode:

1. Lift the display screen up at an angle between 85 to 95 degrees.
2. Turn the display screen 180 degrees counterclockwise until the display clicks into place.

NOTE

- Do not turn the display screen if it has not been opened at the right angle (between 85° to 95°); otherwise, you may damage the hinge and the cables inside the hinge.
 - Do not close the display screen when it has not clicked into place.
 - Do not slam the display screen when closing it.
 - When using wireless communication in tablet mode, we suggest that regardless of whether the computer is held in your hand or placed on a desk, always keep the display screen upwards or forwards in order to get the best wireless communication quality.
-

Using the “Prompt to Play” device

The keyboard, 2 sets of mouse buttons, the track point and the touch panel all assist you to make the computer easy to use. Combined with the convertible display screen, your FlyBook computer can be used in almost any operational condition, no matter what posture you are in—sitting, standing, or walking.

When using the computer in notebook mode, you can use all user interface devices. In tablet mode, use the touch panel to interact with the computer.



Figure 11 – Prompt to Play interface

Multimedia

With the a high-performance audio and display system, the computer possesses rich multimedia power. The built-in high-quality display, stereo speakers, and microphone enable you to watch and listen to vibrant audio and video. Multimedia can be output to external devices through the external display port, video out port, and earphone jack. The microphone jack enables you to record audio and voice.

Connecting to a VGA display device

The external display port is a standard D-sub15 port, which enables you to display the computer's video output to an external VGA display device, such as a VGA monitor or digital projector. This port is very useful for you to output the display on a larger display device in situations such as meetings or presentations.

Connecting to a video display device

Through the video out port, you can output the computer's display to a video display device, such as TV. The port supports either NTSC or PAL standards. Which standard is supported depends on which country you purchase the computer (the video signal standard is different from country to country). Refer to the specification of your FlyBook computer to see which standard it supports. Use BIOS setup to select either NTSC or PAL standards.

Listening to audio output

Listen to the computer's audio output with the built-in stereo speakers or connect earphones to the earphone jack and listen in private.

Recording from an external microphone

You can connect a microphone to the microphone jack, record audio or voice, and save and edit the audio files.

Connectivity

Your FlyBook computer provides you with richest connectivity options, making it a versatile companion for surfing. All of the connections can be made quickly and easily through your options.

USB link

Two high-speed standard USB ports (USB 2.0) enable you to connect or daisy-chain the computer with USB peripheral devices, such as keyboards, mice, disk drives, CD-ROM drives, and digital cameras. USB 2.0 transfers data at up to 480 Mbps and is backward-compatible with USB 1.1 devices, which transfer data at up to 12 Mbps.

IEEE 1394 link

IEEE1394 is another kind of high-speed I/O standard. Through the computer's two 4-pin 1394 ports, you can connect or chain the

computer with 1394 supported devices, such as computers, disk drives, and CD-ROM drives. The port transfers data at up to 400 Mbps.

Ethernet (RJ-45) link

Through the Ethernet port (RJ-45 jack), the computer can be connected to an Ethernet or fast Ethernet (10/100 Base-TX) based network to access resources over the local area network.

Wireless LAN connection

The wireless network connection feature is built-in for all models. This feature enables your computer to communicate with other wireless-equipped devices through the 802.11 b protocol.

Bluetooth communication

Available on select models, the Bluetooth communication feature allows your computer to inter-connect with various types of Bluetooth-equipped devices using the Bluetooth protocol.

GPRS communication

The GPRS communication feature is also available on select models. You can access Internet resources using a built-in GPRS module. The module is also capable of voice communication.

MODEM (RJ-11) link

The computer comes with a built-in V.90 56K fax/data modem module. You can connect a phone line from the modem port to a telephone jack to make a dial-up link.

PC card connection

The PC card slot accept any CardBus type I and type II data and device cards, including memory cards, CF disks, modem cards, and wireless LAN cards, etc.

Chapter 3

Starting Your Computer

Preparing your computer for use

Now that you've familiarized yourself with your FlyBook computer, you can prepare it for use. This section describes how to install the CMOS battery, DDR SO-DIMM module, and hard disk drive, how to connect power and start the system, and how to install an operating system.

NOTE Do not connect the adapter to supply your computer with power until you have installed the CMOS battery, DDR SO-DIMM module, and hard disk drive.

Installing the CMOS battery and DDR SO-DIMM module

1. Remove the battery if it is on FlyBook (Refer to "Installing the battery pack" for the procedure.).
2. Press DRAM cover and stretch out it to open the DDR SO-DIMM cover on the bottom of your computer.
3. Insert the CMOS battery (Model# CR1220) into the battery holder.
4. Insert the DDR SO-DIMM module into the SO-DIMM socket as shown, in Figure 12. Make sure it is well inserted.
5. Replace the DDR SO-DIMM cover.

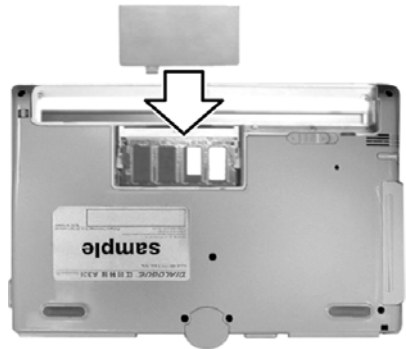


Figure 12 – Installing DDR SO-DIMM modules

NOTE

Do not connect the adapter to your computer, before and during the procedure. Only DDR SO-DIMM modules can be used in the FlyBook. We strongly suggest that you choose one of the DDR SO-DIMM types listed in the Appendix; otherwise, we can not guarantee your computer will work properly.

This step is unnecessary if you purchased the FlyBook as a complete unit.

Installing a hard disk

1. Take out the keyboard by gently pushing in the latches (3 latches) along the top side of the keyboard and using a thin flat object to slowly lift it up.
2. Gently flip the keyboard over towards the battery pack side.
3. Check the Hard drive screw on roughly the location pointed by arrow shown on Figure 13.C. Make sure it is open.
4. Remove the hard disk cover on the right side of your computer.
5. Attach the hard disk to the cover with two screws from a hard disk pack **(A)**.
6. Insert the hard disk into the hard disk bay, ensuring that it is securely connected **(B)**.
7. Fix the hard disk to the PCB with 1 screw from the position under keyboard **(C)**.
8. Restore keyboard gently.

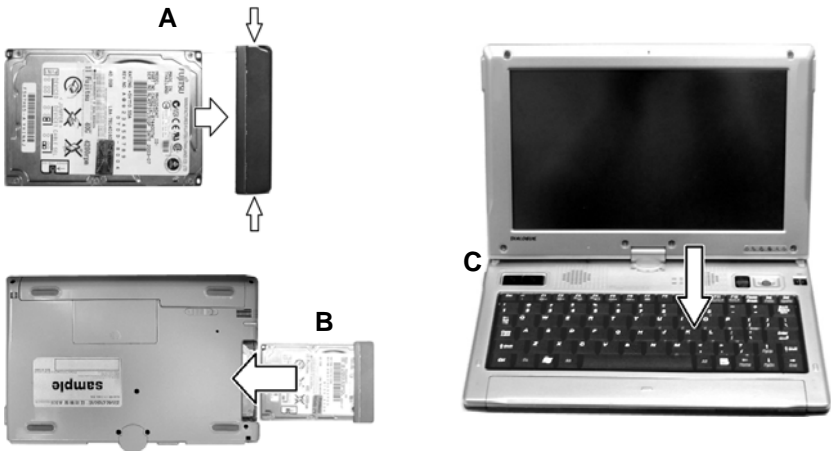


Figure 13 – Installing a hard disk drive

NOTE Do not connect the adapter to your computer, before and during the procedure. Do not drag key (key top) hard.

Installing the battery pack

1. Insert the battery pack into the battery bay. (Make sure all battery latches are open before you do so.)



Figure 14 – Inserting the battery pack

2. Turn the computer over and slide the battery pack latches closed.

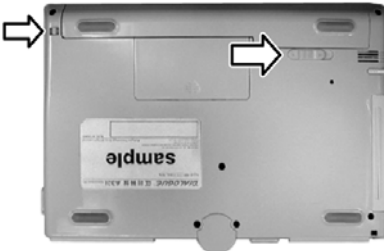


Figure 15 – Securing the battery pack

Turning on the power

Follow the steps below to turn on your FlyBook:

1. Connect one end of the adapter to the power outlet and the other end to the power jack on the computer to supply power to the computer.



Figure 16 – Connecting the AC-to-DC adapter

NOTE If it is the first time you start the computer, connect the AC power source to supply the computer with power.

2. Hold the left and right front sides of display screen cover with your hands, and then open it to a comfortable viewing angle.



Figure 17 – Opening the display

-
3. Press the power button (on the left side of the computer) to turn on the power.



Figure 18 – Pressing the power button

Installing the operating system

Windows XP Home Edition is already installed in your computer. No more effort is required to install the operating system. The computer will automatically boot into Windows after turning on the power.

Chapter 4

Using Your Computer


In this chapter, you learn how to use and customize your FlyBook computer.








About the LED indicators

The computer has several LEDs that show system status.



Figure 19 – LED location

Item		Description
1		<p>Power</p> <p>Steady On: the FlyBook is powered on and ready to use.</p> <p>Flashing: the system is in Suspend to RAM mode.</p> <p>Off: the system is in Save to Disk mode or turned off.</p>

Item		Description	
2		Battery	Steady On: the battery is powering the system. When the AC is connected, indicates that the battery is full.
			Off: the system powers off when the AC is disconnected. When AC is connected, indicates that the battery has not been inserted.
			Slow Flash: Charging the battery.
			Fast Double Flash: Battery low.
			Fast Flash: Battery is bad.
3		Hard drive	Lights when the computer's internal hard drive is being accessed.
4		Wireless network	Lights when the wireless network module is on.
5		GPRS	Lights when the GPRS module is on.
6		Bluetooth	Lights when the Bluetooth module is on.
7		Caps Lock	Lights when the keyboard is set to type in all capital letters.
8		Num Lock	Lights when the keyboard is set to ten-key numeric keypad mode.

Keyboard

The FlyBook mini-size keyboard covers all the functions of a Windows enhanced keyboard. Hot keys are available for system control. Several hot keys are specified for the FlyBook computer.



Figure 20 – FlyBook keyboard





Special function keys are classified into three categories as follows.





Windows keys

Windows keys perform Windows specific functions.



Figure 21 – Windows keys location

Key	Description
Windows 	Launches the Windows "Start" menu.
 + Tab	Switches between items on the Windows taskbar.
 + E	Launches Windows "My Computer".
 + F	Launches the Windows "Find" program.

Key	Description
 + M	Minimizes all tasks to the taskbar.
Shift +  + M	Undoes minimize all tasks to taskbar.
 + R	Launches the Windows "Run" program.
Application key 	Opens a context sensitive menu (same as clicking the right mouse button).

Lock keys

Press the lock keys to toggle them on and off.



Figure 22 – Lock keys location

Key	Description
Caps lock	When on, alphabetic characters typed are in uppercase.
Fn + NumLK	When on, the numeric keypad is functional.



Numeric keypad

Key	Description
Fn + ScrLK	When on, the screen scrolls one line up or down when the up or down arrow keys are pressed. Note: The Scroll Lock key does not function in some applications.

Hot keys

The Hot keys perform system specific functions.



Figure 23 – Hot key location

Key	Description
Fn + Esc	Turns the Mouse and PAN buttons' LED on and off.
Fn + ~	Switches the display output to the LCD, an external display device, or to both the LCD and an external display device.
Fn + F1	Decreases the screen brightness.
Fn + F2	Increases the screen brightness.
Fn + F3	Enter into “Suspend to RAM” mode , or others depending on Windows Power Settings Options.

Key	Description
Fn + F4	Enter into “Suspend to Disk” mode , or others depending on Windows Power Setting Options. If “Enable hibernation” is not set in Power Setting Options, “Suspend to RAM” or “Power On” can be selected now.
Fn + F5	Decreases the speaker volume.
Fn + F6	Increases the speaker volume.
Fn + F7	Mutes the speaker.
Fn + F8	Turns the Wireless LAN module on and off.
Fn + F9	Turns the GPRS module on and off.
Fn + F10	Turns the Bluetooth module on and off.
Double “Fn”	Wake up system from suspend mode.

Pointing device and Pan button



Figure 24 – Track point, mouse button, and Pan button location

A track point along with two sets of mouse buttons are available on your computer. The track point and buttons function in the same way as a 2-button mouse.

The track point is a capacitive pointing device. When you put force on the top of the track point with your fingertip, the mouse cursor moves. The direction and speed of the cursor movement depends on the direction you push and the amount of force you use—using more force causes the cursor to move faster.

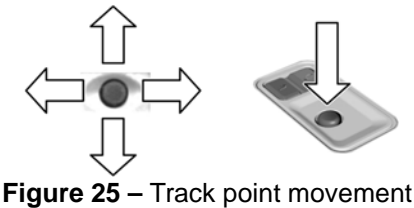


Figure 25 – Track point movement

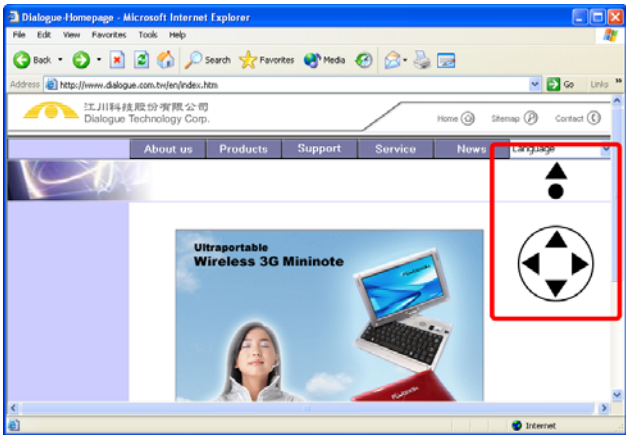


Figure 26 – Panning a document

Press the Pan button to toggle screen panning on and off. When panning is on, the track point provides a panning function.

The panning function helps you view a document's content quickly and easily. Using the panning function is just like using a mouse to operate the Windows scroll bar to view the document's contents. When the mouse cursor is focused on a document, pressing the track point forward and backward scrolls the document content upward and downward respectively; and pressing the track point left and right scrolls the document content left and right respectively.

Touch panel

The touch panel embedded in your computer is a pressure sensitive, palm-rejection type panel—you can write on it as you would a normal writing pad without your palm interfering with the computer's function. You can use the stylus pen along with your computer as a pointing device to operate the computer. The stylus pen can act as a 2-button mouse. You can use it to write, to draw, to select, and to navigate any tasks displayed on the screen. The following is a brief introduction of touch panel operation:

NOTE Larger force can activate the panel even with your palm.



Figure 27 – Touch panel operation

- Touching the display screen moves the mouse cursor to the point of contact.
- Touching any icons or items shown on the display screen selects the touched icon or item.
- Single or double touching a task icon or item invokes the task of the icon or item.
- Dragging has the same effect as dragging a mouse.
- When the mouse right button mode is on, touching the display screen has the same effect as clicking the mouse right button on the place touched.

To enable mouse right button mode, touch the PenMount icon in the system tray, then check "Right Button". A small mouse icon is now on-screen to allow you one click to enter right-button mode for one time.

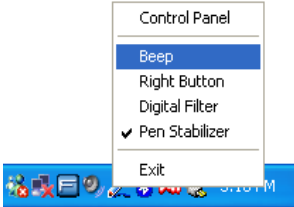


Figure 28 – Enabling mouse right button mode

NOTE To clean the touch panel, use any non-ammonia glass cleaner. Spray some cleaner on a cloth or towel and then wipe the surface of the panel softly.

Calibrating your touch panel

Calibrating the touch panel is necessary to adjust the cursor position on the screen relative to the pen tip position. Calibration is needed when:

- The touch panel is being used for the first time.
- The cursor position does not correctly match the pen tip position.
- The system image has been restored.

Follow the steps below to calibrate your touch panel:

1. Double click the "FlyBook Control Center" icon in the system tray. The FlyBook Control Panel window appears. Then click on "Pen-Mount" on the window.

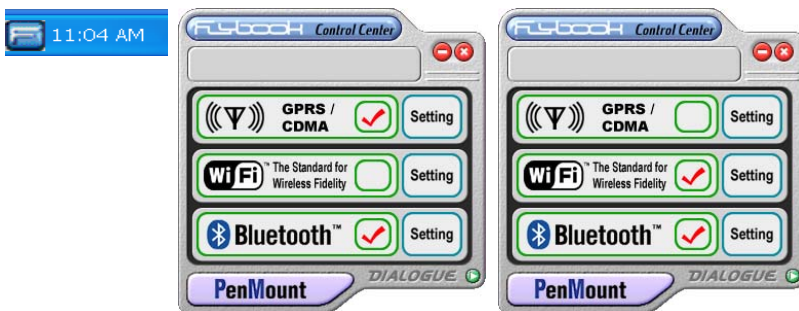


Figure 29 – The FlyBook Control Center window

2. “PenMount Control Panel” is shown.
3. Click the "Calibrate" tab to get to calibration options.
4. Click the Standard Calibration button or select 4, 9, 15, or 25 points calibration in the Advanced Mode list box.
5. The screen then becomes clean with the first guide-point shown on certain location. Use stylus to touch the shown guide points one by one and make sure you touch the hot point on it before each touch release.
6. Do the previous step until you have finished for all guide points , plus the last check point.
7. The calibration is complete when the last check point is accepted by the computer.

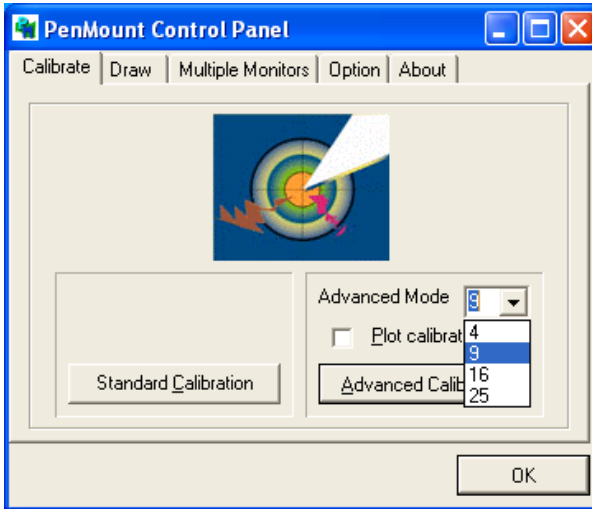


Figure 30 – The PenMount Control Panel

Display

The computer outputs video to the 8.9-inch LTPS TFT LCD screen. This screen is 18-bit color, wide-XVGA (1024 x 600 resolution) display. The following items are other characteristics of this display.

- The display system has an OSD (On Screen Display) function to display settings while hot keys are pressed. For example, when Fn + F1 is pressed, the screen displays brightness settings.



Figure 31 – Brightness settings

- The display output can be switched to an external display device.
- The display color, resolution and orientation can be changed.

Adjusting display brightness

Use hot keys to increase and decrease the display brightness. See the **Keyboard** section for more details.

Switching to an external display device

Use hot keys to switch the display output to a VGA display or video display device. See the **Keyboard** section for more details.



Figure 32 – Switching display outputs

Setting display color and resolution

Follow these instructions to change the display color and resolution.

1. Right-click on the desktop, then select Properties to show the **Display Properties** window.
2. Click the **Settings** tab, then select your preferred resolution and color.
3. Click **OK** to close the window and change the display color and resolution.

Refer to the Windows XP user's manual for more details.

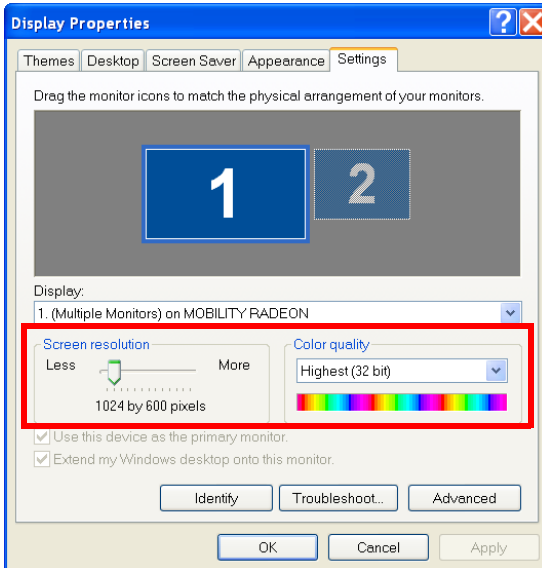


Figure 33 – The display properties window

Changing display orientation

The display output can be oriented to landscape or portrait mode. Click on ATi icon with right button can call up menu to select the orientation. In case you may want to one touch screen for orientation select, start PenMount Right-button feature can help (please refer to “Touch Panel”).)

Audio

The computer has a high-performance stereo audio system (18-bit ADC and 20-bit DAC resolution), a built-in microphone and two stereo speakers.

- You can increase, decrease, or mute the volume in an audio application, but the maximum volume is set by the audio system.
- You can increase, decrease, or mute the volume with the hot keys. Refer to the **Keyboard** section for more details.

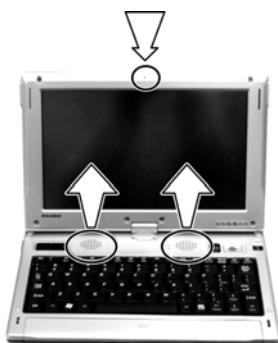


Figure 34 – Microphone and speaker locations

The audio input or output automatically switches to external audio devices (headphones, speakers or microphone) once the devices are connected to the computer.

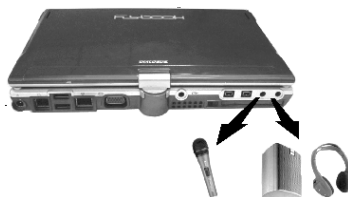


Figure 35 – Connecting external audio devices

Power system

The power system includes FlyBook's AC-to-DC adapter and battery. Through the adapter, an AC power source supplies the computer with power and charges the battery. The battery supplies the computer with power if the adapter is disconnected from the AC power source.

The computer controls power activities through an ACPI power management unit. The unit works closely with Windows to conserve power and optimize system performance. Windows manages all power-saving features of the computer.

AC-to-DC adapter

The adapter can be used with most AC power sources, provided that:

- The voltage and frequency of the AC power source consistently meet the input specification of adapter.
- The power cord can connect to the power outlet properly.

Do not use the adapter if these conditions are not met.

The LED indicator on the adapter lights green when the adapter is properly connected to a power source.

Battery

A fully charged battery pack can keep the computer working for hours, depending on the application.

NOTE If the computer is being used for the first time, the battery pack must be fully charged.

Calibrating the battery

Calibrating the battery pack every 2 or 3 months prolongs battery life. The **System Recovery Utility** provides a battery calibration utility. See the **System Recovery Utility Reference Guide** for more details.

Power management

The power management unit continuously monitors power status and employs a set of power management schemes to maximize power conservation. It also allows you to customize part of these schemes.

The computer offers you a system utility called **Power Options**, to change the parameters of power management schemes and check the power status.

To start **Power Options**:

1. Click [Start menu][Settings][Control panel] to explore the **Control panel**.
2. Double click on [Power Options] in the **Control panel** window.
3. When the **Power Options** window appears, check the power status or change parameters under the tabs.

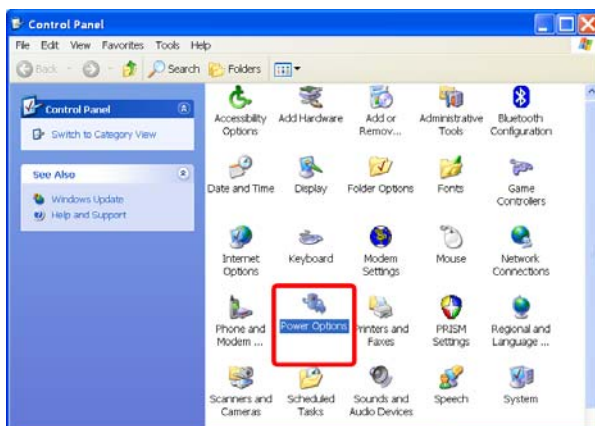


Figure 36 – The power options control panel tool

Power Schemes tab

Selecting a running mode

Select the computer's running mode from the **Power Schemes** selection box. Running modes are the major power management schemes that optimize the computer's performance and minimize the computer's power consumption. The following running modes are available.

- **Home/Office Desk:** The CPU runs in full-speed mode when an adapter supplies the computer with power.

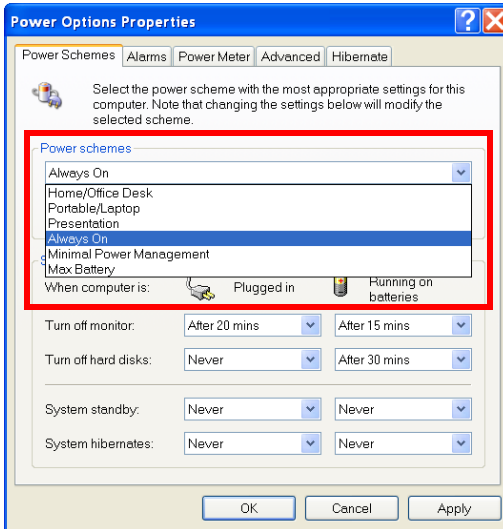


Figure 37 – Power schemes

- **Portable/Laptop:** The CPU's running speed depends on the computer's workload.
- **Presentation:** The display screen is always on and the CPU runs in power-saving mode.
- **Always On:** The computer's CPU always runs in full-speed mode.
- **Minimal Power Management:** The CPU's speed also depends on the computer's workload.
- **Max Battery:** The CPU runs in power-saving mode when the battery pack supplies the computer with power.

Customizing power schemes

Turn off monitor, Turn off hard disks, System standby and System hibernation parameters enable you to customize power schemes.

Each parameter has times for when the computer is plugged in or running on batteries.

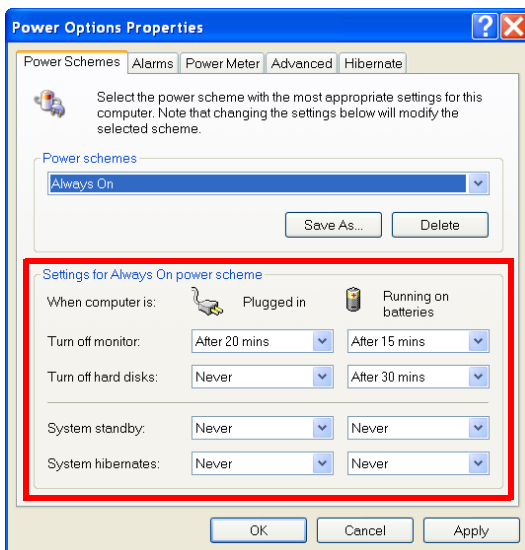


Figure 38 – Customizing power schemes

Alarms tab

This tab enables you to activate the low and critical battery alarm events and decide when and how the computer notifies you.

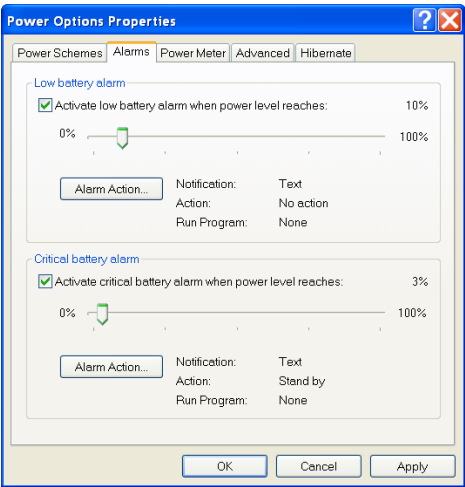


Figure 39 – The power options alarms tab

Power Meter tab

The power meter tab shows how power is supplied and displays the battery pack status.

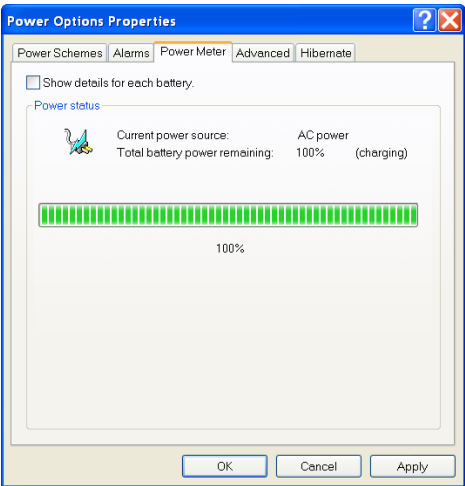


Figure 40 – The power options power meter

Advanced tab

Always show icon on the taskbar

If this option is checked, a **Power Options** icon is shown in the taskbar. Double click this icon to display the **Power Options Properties** window.

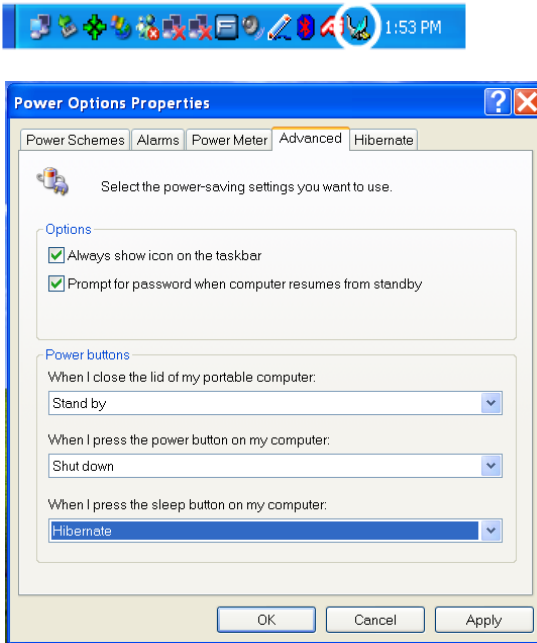


Figure 41 – The power options advanced tab

Prompt for password when computer resumes from standby

If this option is set, then you must type your log-in password when the computer resumes from standby.

Hibernation tab

This option shows the amount of free disk space and disk space required to enter hibernation mode.

If there is not enough free space for hibernation, then any power schemes with hibernation events are not fully executed.

If "Enable hibernate" is not set, the hibernation scheme is disabled.

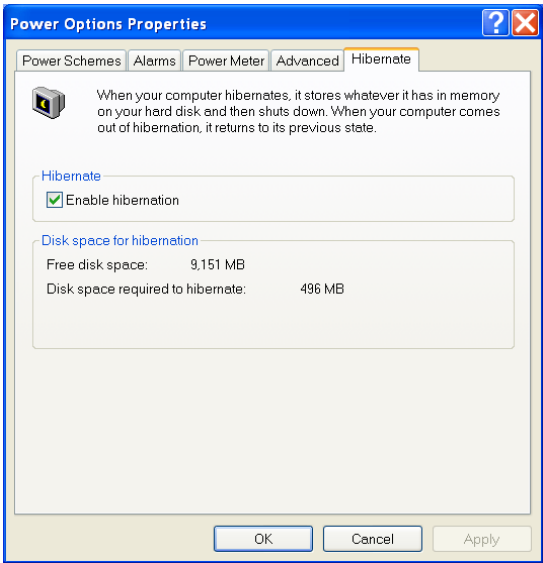


Figure 42 – The power options hibernate tab

Securing your computer

Read this section to learn how to secure your computer against unauthorized access and damage.

Securing against unauthorized access

Your computer provides three different levels of protection to secure your computer system and data against unauthorized access.

BIOS password

The BIOS password prevents unauthorized bootup and unauthorized access to the BIOS setup utility. Once the password is set, you must enter the password at the start of the boot procedure. Refer to the **BIOS Setup Utility Reference Guide** for more details.

NOTE If you forget the BIOS password, contact a service center or an authorized reseller to get help.

Hard disk password

The hard disk password prevents unauthorized access to your hard disk. Once the password is set, you must enter the password after the BIOS power on self test is completed. Refer to the **BIOS Setup Utility Reference Guide** to see how to set a hard disk password.

NOTE If you forget the hard disk password, contact a service center or an authorized reseller to get help.

Operating system passwords

Using operating system passwords to prevent unauthorized access is very common. Windows XP allows several of user names and passwords to be set for different users. Refer to the **Windows XP user's manual** to see how to create user names and passwords.

Securing your computer against damage

Make frequent backups

Make frequent backups to secure your personal data. You can backup your data to the following media:

- Second logical disk drive (D drive).
- CF card or USB CF disk.
- Recordable compact disk through a connected USB or 1394 CD-ROM drive.
- USB or 1394 hard disk drive.
- Networked drives that you have permission to access.

Attaching a strap

The strap hole, on the right rear side of your computer, is used to prevent accidentally dropping the computer. This is especially useful while the computer is in tablet mode, because you can secure the computer to your body with a strap.

NOTE

It is proper to catch your FlyBook only by dragging the strap. Swing your FlyBook while catching it is extremely dangerous to drop. A damage in these ways is not covered in the warranty.

Recovering your system

If your operating system becomes corrupt, then you can quickly and easily restore your operating system to the factory default configuration with the following media:

- A hidden partition of the built-in hard disk.
- The recovery CDs.

From the hidden partition of the built-in hard disk

A hidden partition of the built-in hard disk contains an image of the factory default configuration of your hard disk.

Refer to the **System Recovery Utility Reference Guide** for more details.

From the system recovery CDs

Refer to the **System Recovery Utility Reference Guide** for details on recovering the system with the system recovery CDs.

NOTE

In addition to booting from the internal hard disk, the computer supports booting from an external CD-ROM. Please refer to the compatible devices recommended by Dialogue Technology Corporation. It is not guaranteed for other devices as the bootable ones.

Resetting your computer

Press the reset switch if the computer system cannot be shut down properly. Use a paper clip or similar object to press the recessed reset switch.

Connection options

Various ports and built-in modules enable you to make connections in many ways.

USB link

You can connect or daisy-chain USB peripheral devices to the USB ports. Windows supports "plug-and-play" for USB links.

- For devices that already have a driver installed on the computer, just connect the device to the computer. Windows links to the device automatically, so you can access it immediately.
- For devices that don't have a driver installed, Windows guides you to install the driver that came with the device.

NOTE

Ensure that you stop USB storage devices in Windows before disconnecting them from your computer. To stop the device:

- Double click the Safely Remove Hardware icon in the taskbar.
 - Click "Stop" when the "Safely Remove Hardware" window appears, to stop the connection.
-

IEEE 1394 link

You can connect or daisy-chain your 1394 supported devices to the 1394 ports. Windows supports "plug-and-play" for 1394 links.

- For devices that already have a driver installed on the computer, just connect the device to the computer. Windows links to the device automatically, so you can access it immediately.
- For devices that don't have a driver installed, Windows guides you to install the driver that came with the device.

Ethernet link

Connect a Category 5 Ethernet cable from the computer's Ethernet port to a network jack or hub on your network.



Figure 43 – Connecting an Ethernet cable

Configuring your connection

Follow these steps to configure an Ethernet connection for the first time.

1. Click [Start menu][Settings][Control panel] to explore **Control Panel**.
2. Double click the [Network Connections] icon in the **Control panel** window. A **Network Connections** window appears.

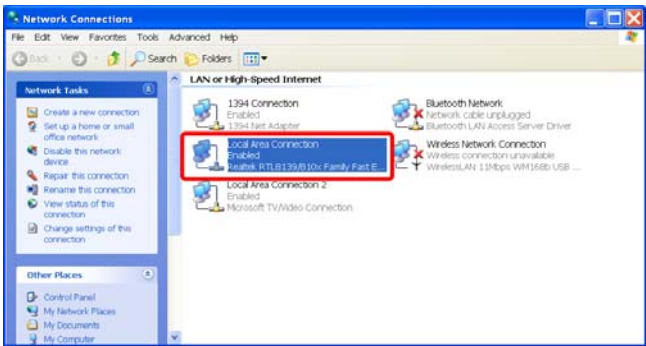


Figure 44 – Windows network connections

3. Double click [Local Area Connection]. A **Local Area Connection Properties** window appears.

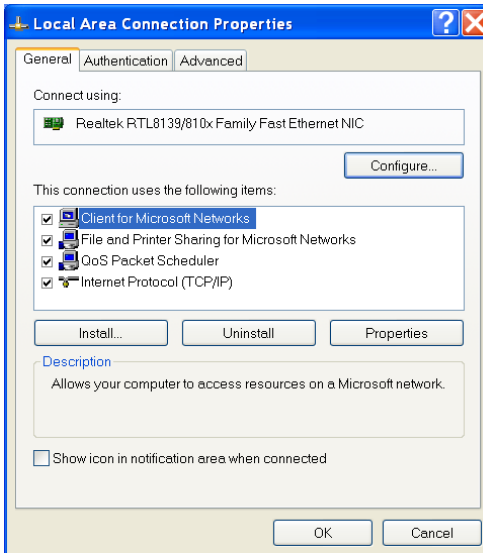


Figure 45 – Windows local area connection properties

4. Click the [General] tab, then refer to the **Windows XP user's manual** to complete the TCP/IP configuration under this tab.

Making an Ethernet connection

If the Windows network configuration is compatible with the network that you wish to link with, then no further configuration is needed for the service to be provided to network members.

Double click the [Local Area Connection] icon in the **Network Connections** window. A **Local Area Connection Status** window appears. In the **Local Area Connection Status** window, you can:

- Check the connection status.
- Disable and enable the connection.
- Click [Properties] to show the **Local Area Connection Properties** window again to change connection settings.

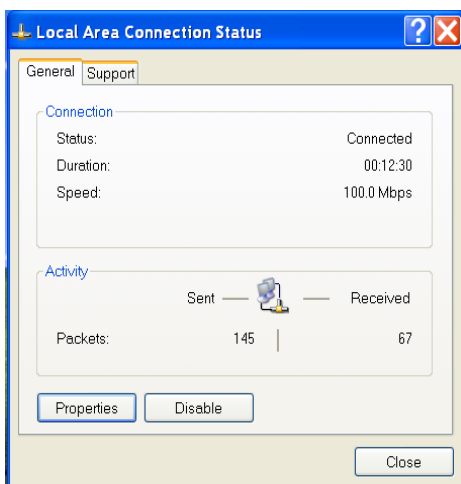


Figure 46 – Windows local area connection status

NOTE

If "Shows icon in notification area when connected" is checked in the Local Area Connection Properties window, then a Local Area Connection Status icon is shown on the taskbar. Clicking the icon displays the Local Area Connection Status window.



Wireless communications on the built-in modules

CAUTION

Using wireless devices in an aircraft is prohibited. Make sure all wireless modules are off while you are using the FlyBook at anytime during your flight. It may be possible to prohibit any use during flight, turn off your FlyBook completely in this case.

NOTE

For better signal quality and management, we recommend that GPRS, BT, and W-LAN are not used at the same time.

To start wireless communications through the built-in modules, you must first turn the modules on, then make connections through communication software programs.

You can use hot keys or the FlyBook **Control Center** to turn the modules on and off.

See the **Keyboard** section for more details of how to use hot keys.

Follow these steps to turn on and off the power to the modules through the FlyBook **Control Center**.

1. Double click the [FlyBook Control Center] icon in the system tray. A FlyBook **Control Center** window appears.
2. Click the module's name or icon to turn on (set checked) and off (set unchecked) the power to a module.

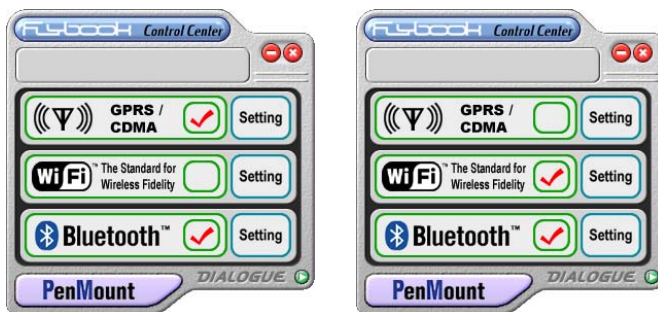


Figure 47 – The Flybook Control Center

Wireless LAN Connection

Although wireless connections can be made without an access-point (peer-to-peer), it's more common for wireless connections to be made using an access-point.

NOTE For first-time use, a procedure to setup the configuration will be done automatically.

Configuring your connections

1. Click the [Setting] icon in FlyBook **Control Center** window or double click the [Wireless Network Connection] icon in **Network Connections** window. A **Wireless Network Connection Properties** window appears.
2. Click the [Wireless Networks] tab. You can seek networks, configure the settings for the networks you wish to link to, and add them to the **Preferred Networks** under this tab.

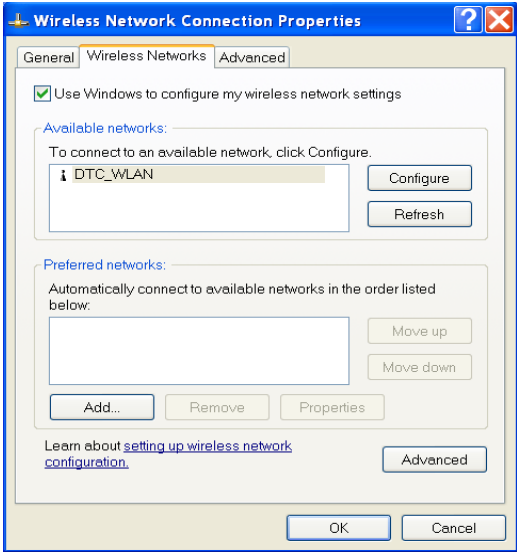


Figure 48 – Wireless network connections

3. Click the [General] tab then refer to the **Windows XP user's manual** to complete the TCP/IP configuration under this tab.

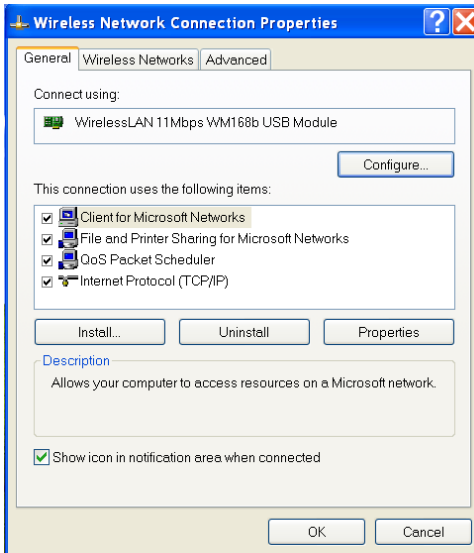


Figure 49 – Wireless network connections general tab

Making a connection to a Wireless Network

If the Wireless Network module is turned on, the computer automatically seeks the networks listed in **Preferred Networks** and connects to the most preferred one found. The services provided to network members are activated when the computer is connected to the network.

Double click the [Wireless Network Connection] icon in the **Network Connections** window again. A **Wireless Network Connection Status** window appears. In the **Wireless Network Connection Status** window, you can:

- Check connection status.
- Disable and enable the connection.
- Click [Properties] to open the Wireless Network Connection Properties window again to change the connection settings.

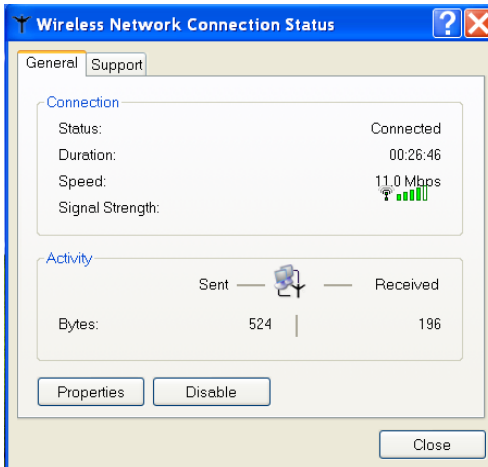


Figure 50 – Windows network connection status

Specifications

- Type of network: IEEE 802.11b (Wi-Fi based)
- Transfer rate: (Automatic switching)
- Active frequency: 2400~2473 MHz
- Number of channels: 11
- Security: Network name (SSID), Network key (64 bits/128 bits)
- Maximum recommended number of computers to be connected over wireless LAN (during ad hoc connection): 10 units or less

NOTE

If "Shows icon in notification area when connected" is checked in the Wireless Network Connection Properties window, then a Wireless Network status icon is shown on the taskbar. Clicking this icon displays the Wireless Network Connection Status window.



Bluetooth communication (optional)

When the Bluetooth module is turned on, communication starts automatically. A blue Bluetooth icon with a white Bluetooth logo appears in the system tray.

NOTE

- If the Bluetooth module is turned on, but the icon is blue with a red Bluetooth logo inside, then communications have not been started yet. Right-click the icon and select "Start the Bluetooth Device" to start communications.



- To stop communications, right-click the icon again and select "Stop the Bluetooth Device". It's recommended to turn off the power to the module through the FlyBook Control Center in order to conserve power.
 - It is strongly recommended to set Bluetooth on , before accessing any of the related Bluetooth functions.
 - For first-time use, a "Found New Hardware Wizard" may come up. Just follow the procedure to finish the installation.
-

Configuring your connections

The computer connects to different types of Bluetooth devices using different Bluetooth service protocols. All connection settings are configured in the **Bluetooth Configuration** window. Right-click the Bluetooth icon in the system tray then select [Advanced Configuration] to display the **Bluetooth Configuration** window.

See **Using Bluetooth** in the FlyBook Online Manual to learn how to configure connections.

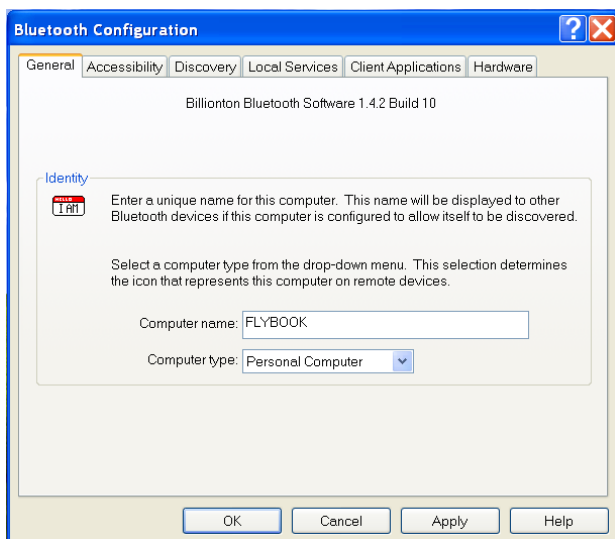


Figure 51 – Windows Bluetooth configuration

Making connections to Bluetooth-equipped devices

Right-click the Bluetooth icon in the system tray, then select [Explore My Bluetooth Places] to explore **My Bluetooth Places**. You can make connections to Bluetooth-equipped devices in the **My Bluetooth Places** window.

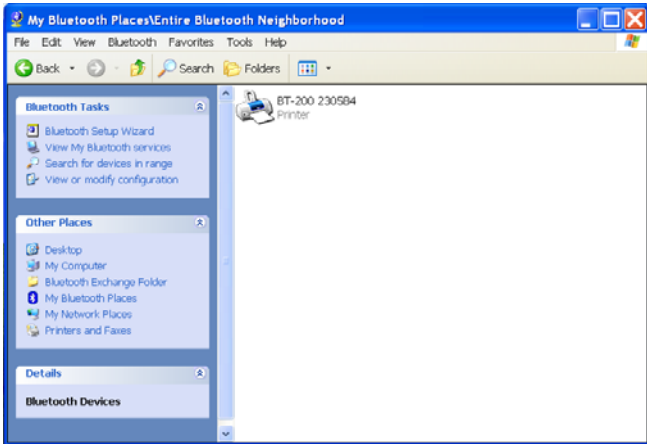


Figure 52 – Windows Bluetooth neighborhood

Right-click the Bluetooth icon in the system tray, then select [Quick Connect][Service name] to explore a specific connection service. You can use this to make connections to specific types of devices.

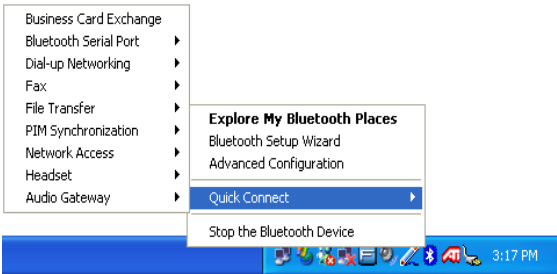


Figure 53 – Windows Bluetooth neighborhood from the taskbar

GPRS communication (optional)

If the GPRS module is installed, you must first apply for a GPRS account to get a SIM card from the network service provider before use. The SIM card is a key that allows you to connect the computer to a GPRS network. A GPRS network can be used to access Internet resources.

Insert the SIM card into the SIM card slot before turning on power to the module.

CAUTION

- FOR FCC regulations, the wireless LAN and GPRS functions are not to be used at the same time.
 - You must TURN OFF the GPRS, before inserting SIM card. (Please refer to 'Hot Key' for turning on/off GPRS, and refer to "A brief tour of your FlyBook computer" for SIM slot location.)
 - When inserting SIM, the gold connect side faces down. Push it into the slot until it is aligned to FlyBook internal compartment.
 - SIM slot is Push-Reject type. One push one the inserted SIM can reject it.
 - For first-time use, (including using a new SIM card) start "mobile Phone Tools" and click "MENU", select "setup" and then "Internet connection...". Follow the procedure in "Internet connection Wizard" to complete the setup.
-

Configuring your connection

1. Click the [setting] of GPRS/CDMA in the FlyBook **Control Center** window. A **Telephone and Modems** window appears.

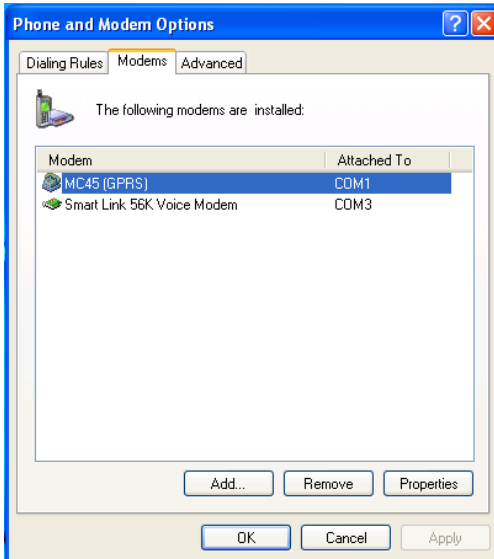


Figure 54 – Windows telephone and modems options

2. Select "MC45 (GPRS)", then click [Properties]. A **MC45 (GPRS) Properties** window appears.
3. Click the [Advanced] tab, then type an initialization command in the **Extra initialization commands** input box. The string input is for your local Telecom Service to locate the APN (Access Point Name) for GPRS service. You should consult the Telecom Service for this name first.
4. Click **OK** to close the window.

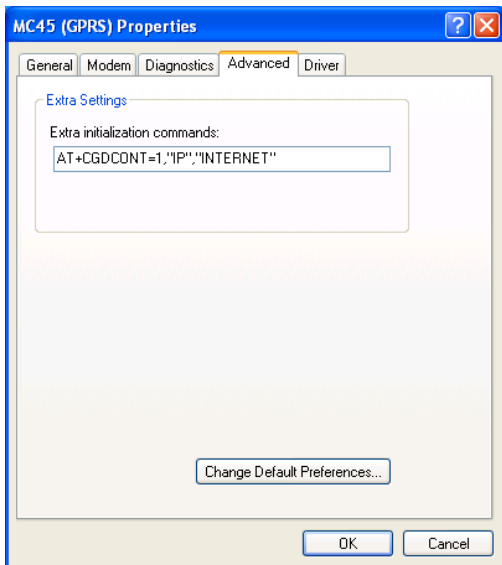


Figure 55 – GPRS properties

5. In the **Network Connections** window, start the **Create a new connection** wizard to create a dial-up connection for GPRS. If completed successfully, an entry will show in the **Network Connections** window.

NOTE

- The MC45 Modem is an optional device that is installed on some FlyBook models.
- For FCC regulations, the wireless LAN and GPRS functions should be mutually exclusive.
- To use GPRS link , there is usually a procedure offered by local Telecom Service. You need to consult then for the needed procedure.
- With the model of GPRS built-in , FlyBook has come with a mobile phone tool under Windows OS. This tool is for you to use FlyBook GPRS function easily after proper set up at here.

Making a GPRS connection

Follow these steps to make a GPRS link. These steps assume a dial-up connection named MC45 has been created.

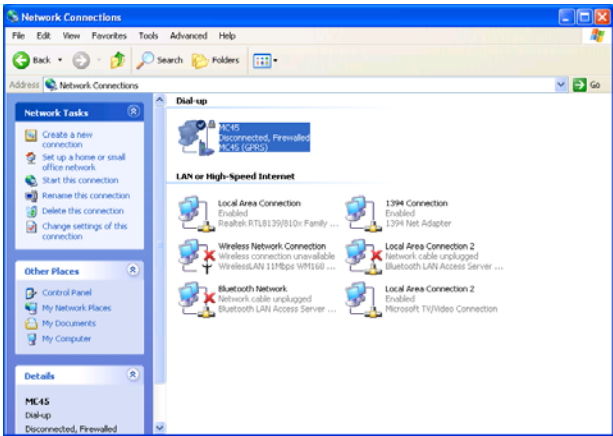


Figure 56 – Windows network connections

1. Click [MC45] in the **Network Connections** window. A **Connect MC45** dialogue box appears.

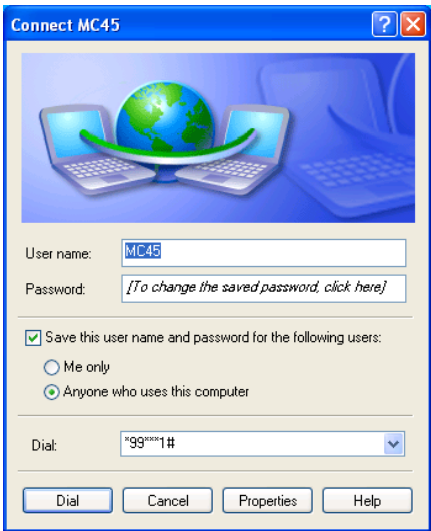


Figure 57 – Windows Connect MC45

-
2. Type a phone number in the **Dial** input box, then input the user name and password of your account.
 3. Click [Dial] to start the link.

If connected, click [MC45] again in the **Network Connections** window. A connection status window appears. In the status window, you can:

- Check the connection status
- Stop the connection

NOTE

- The phone number, user name and password of the dial-up also depend on the GPRS network. Contact your Telecom Service provider to get a phone number.
 - Instead of the above procedure , for FlyBook with GPRS built-in , a mobile phone tool is included. This tool has been turned for most of needed Dial-up information for Telecom Services in the world. We suggest you use it.
 - A separate CD for mobile phone tool is included in your package , or you may consult Dialogue Technology Corporation for more information.
-

Dial-up link through the built-in Modem

Configuring your connection

In **Networks** window, start the **Create a new connection** wizard to create a dial-up connection. If successfully completed, then a dial-up entry is shown in **Networks** window.

Making a dial-up link

Follow these steps to make a dial-up link. These steps assume a dial-up connection, named Dial-up has been created.

1. Connect a phone cable from the modem port to a telephone jack.
2. Click [Dial-up] in the **Networks** window to open a **Dial-up Link** dialogue box.
3. Type the dial-up phone number, user name and password of your account.
4. Click [Dial] to start the connection.



Figure 58 – Inserting a phone cable

If connected, click [Dial-up] again in the **Networks** window. A connection status window appears. In the status window, you can:

- Check the connection status.
- Stop the connection.

PC card connection

Windows supports "plug-and-play" for PC card connections. If a card is inserted to the PC card slot and Windows cannot find the driver for the card, Windows guides you to install the correct driver. For some device cards, specific application programs are required. Refer to the instructions that come with your cards.

PC card insertion

Insert a card into the PC card slot until it clicks into place.



Figure 59 – Inserting a PC card

PC card ejection

Push on the tip of the rod with your fingertip to eject the rod, then push the rod to eject the card.



Figure 60 – Ejecting a PC card

Chapter 5

Troubleshooting

The FlyBook is a durable product which has been subjected to strict quality assurance testing. Any problems you encounter when using your FlyBook are relatively easy to identify and solve. However, you may require service from your network administrator or the manufacturer.

This information helps you isolate and resolve problems you are most likely to encounter.

If you have tried the solutions suggested here, contact Dialogue's support service at the following URL address

<http://www.dialogue.com.tw>.

Identifying problems

1. Turn off your FlyBook.
2. Make sure that the AC adapter is plugged in properly to your FlyBook and that the AC power source is active.
3. To avoid a possible cause of failure, remove all PC Cards in the PC Card slot and devices connected to external connectors such as USB or IEEE 1394.
4. Leave the FlyBook off for approximately 10 seconds, and then switch it on again. The FlyBook should enter the boot sequence and start normally.

If the FlyBook doesn't start up normally, look for screen messages or other clues as to the malfunction, and go through the following troubleshooting tips to try the solutions suggested.

Power-on problems

The FlyBook does not start or boot-up

1. If the Power Indicator is not lit, the FlyBook is without power. Make sure you have properly attached the AC adapter and power cable, or have installed a charged battery.
2. If the FlyBook is running on battery power, ensure that the battery charge is not low. If the battery appears to be charged, it may be faulty.
3. If the FlyBook is using the AC adapter, ensure that the AC outlet, airplane seat jack, or car cigarette lighter are working. If the AC outlet power is working, the AC adapter may be faulty.

Hard drive or external boot-up device inaccessible

1. If the Hard Drive Indicator is lit, BIOS may be incorrectly set for your internal hard drive. Revise the BIOS settings for the Primary Master. (See BIOS Setup Utility Reference Guide for more information).
2. Security may be set so that your operating system cannot be started before entering a specific password. Refer to “Securing your computer” on page 57.
3. If you choose to boot-up from the external device, USB or 1394, make sure it is on and bootable media has been inserted.

The screen is blank or the display is abnormal

1. The FlyBook display may be set for CRT or TV only. Press Fn and F10 simultaneously to switch display modes.
2. The power management system might have automatically blanked the screen to save power, and has gone into video time-out, standby mode, or hibernation mode. Press any key, move the track-point or mouse, or push the power button to turn the display back on.
3. The angle of the display and the brightness level may not be adequate for the ambient lighting. Adjust the display angle and press Fn+F1 or Fn+F2 to adjust the brightness level until you have visibility.
4. The LCD display has a native resolution of 1024 x 600 (XVGA). If you set the resolution lower than this, the screen expands to fill the display. The display doesn't expand to full screen on the LCD display or on an external monitor. You can right-click on Windows desktop and select Properties to open the Display Properties dialog box. Then click the Settings tab and set the resolution to an appropriate value.

There is no audio coming from the built-in speakers

1. The volume or the software volume control is set too low. Use the volume control buttons to adjust the volume. Refer to "Hot keys" on page 40 for more information. In the Windows environment, you can adjust the sound volume settings using the operating system and audio applications.
2. The volume may be muted. In the Windows environment, click the Volume icon on the taskbar and uncheck the Mute option.
3. The speakers may be turned off. Press Fn and F7 simultaneously to turn the speakers on. Refer to "Hot keys" on page 40 for more information.
4. If earphones, headphones, or external speakers are plugged into the line-out port, the built-in speakers are disabled automatically. Ensure that nothing is plugged into the line-out port.

The keyboard or track-point/mouse does not work properly

1. The system may have entered Suspend to RAM mode. Push the Power button to resume the system.
2. An application may have locked out your input device. Restart your system.
3. If the keyboard or mouse does not respond on USB or IEEE 1394 devices, ensure that the devices are installed properly and that the correct software drivers for the device are installed.

The PC Card does not work properly

1. The card may not be properly installed. Remove and re-insert the card.
2. Your system may not have the correct software driver for the card. Re-install the correct driver.
3. The card may have been installed while the system is busy and the system was not able to detect the card. Close all applications, restart the computer, and try using the PC Card again.

The Modem does not receive or transmit properly

1. Make sure the telephone line is firmly connected to the telephone line jack (RJ-11) and there is a dial tone.
2. Check the port settings and the communication parameters (baud rate, parity, data length and stop bits) specified in the communications program.

The GPRS/CDMA module does not work properly

1. Make sure the GPRS/CDMA module is available in your FlyBook. You must apply for a GPRS/CDMA account and get a SIM card from your network service provider for the module to operate.
2. Make sure the SIM card is properly inserted into the SIM card slot.
3. Make sure that the correct software driver is installed and an initialization command has been input in the **Extra initialization commands** input box.

The Wireless LAN cannot connect to the network

1. An incorrect network name (SSID) or network key may be used. Make sure you have set the network name (SSID) and network key to the same values as the access point (infrastructure connection) or the computers to be connected with (Ad Hoc connection).
2. The FlyBook may be placed too far from other communication devices. Retry the connection after moving the FlyBook closer to the computers to be connected with (Ad Hoc connection) or to the access point (infrastructure connection). Also, check the wave condition in the **Wireless Network Connection Status** window.
3. Check if the wireless LAN is turned on. Verify that **Disable Radio** is not checked in the **Network setting** window.
4. Make sure you have access rights or Network authentication to the network you want to connect to.
5. Try changing channels to avoid active channel duplication.
6. Check the setting of the protocol, work group, shared setting, and IP address.

The touch panel does not work properly

1. If the cursor position does not correctly match the pen tip position or this is the first time use the touch panel, you must calibrate it. Refer to “Calibrating your touch panel” on page 44.
2. Make sure that nothing else is pressing the touch panel.

The battery doesn't charge or loses power quickly

1. Verify that the battery is properly installed and is not too hot or too cold.
2. Run the **Battery Calibration** utility. Please refer to **System Recovery Utility Reference Guide**.
3. The installed battery may be dead or faulty. Replace it with a new one.

Appendix

Appendix A FlyBook Models

The following table shows the available FlyBook models. The models differ in the Wireless WAN option.

Model	CPU	DDR SO-DIMM	Wireless LAN	Wireless WAN	Blue Tooth
A33iS	TM5800 1GHz	512MB	11b	None	Optional
A33iS-b	TM5800 1GHz	512MB	11b	None	BlueTooth
A33iG-tri	TM5800 1GHz	512MB	11b	GPRS Tri-Band	Optional
A33iG-tri-b	TM5800 1GHz	512MB	11b	GPRS Tri-Band	BlueTooth

Appendix B Power On Self Test

The following is a list of error-and-status messages that the Phoenix BIOS and/or your operating system can generate.

- **Extended RAM Failed at offset: nnnn**
Extended memory not working or not configured properly. If you have an installed memory upgrade module, verify that the module is properly installed. If it is properly installed, you may want to check your Windows Setup to be sure it is not using unavailable memory.

- **nnnn Extended RAM Passed**

Where nnnn is the amount of memory in kilobytes successfully tested.

- **Failing Bits: nnnn The hex number nnnn**
This is a map of the bits at the memory address (in System, Extended, or Shadow memory) which failed the memory test. Each 1 (one) in the map indicates a failed bit. This is a serious fault that may cause you to lose data if you continue.
- **Fixed Disk 0 Failure or Fixed Disk Controller**
The fixed disk is not working or not configured properly. This may mean that the hard drive type identified in your setup utility does not agree with the type detected by the Power On Self Test. Run the setup utility to check for the hard drive type settings and correct them if necessary. If the settings are OK and the message appears when you restart the system, there may be a serious fault which might cause you to lose data if you continue.
- **Invalid NVRAM media type**
Problem with NVRAM access. In the unlikely case that you see this message you may have some display problems. You can continue operating but should contact your support representative for more information.

- Keyboard controller error

The keyboard controller test failed. You may have to replace your keyboard or keyboard controller but may be able to use an external keyboard.

- Keyboard error

Keyboard not working. You may have to replace your keyboard or keyboard controller but may be able to use an external keyboard.

- Keyboard error nn

BIOS discovered a stuck key and displays the scan code for the stuck key. You may have to replace your keyboard but may be able to use an external keyboard.

- Monitor type does not match CMOS - Run SETUP

Monitor type not correctly identified in Setup. This error probably means your BIOS is corrupted, run the setup utility and set all settings to the default conditions.

- Operating system not found

Operating system cannot be located on either drive C or CD-ROM. Enter the setup utility and see if both the fixed disk and CD-ROM are properly identified and that the boot sequence is set correctly. Unless you have changed your installation greatly, the operating system should be on drive C. If the setup utility is correctly set, your hard drive may be corrupted.

- Parity Check 1 nnnn

Parity error found in the system bus. BIOS attempts to locate the address and display it on the screen. If it cannot locate the address, it displays ?????. This is a potentially data destroying failure.

- Parity Check 2 nnnn

Parity error found in the I/O bus. BIOS attempts to locate the address and display it on the screen. If it cannot locate the address, it displays ?????. This is a potentially data-destroying failure.

- Press <F1> to resume, <F2> to SETUP

Displayed after any recoverable error message. Press the [F1] key to continue the boot process or the [F2] key to enter Setup and change any settings.

- Previous boot incomplete - Default configuration used

Previous Power On Self Test did not complete successfully. The Power On Self Test will load default values and offer to run Setup. If the previous failure was caused by incorrect values and they are not corrected, the next boot will likely fail also. If using the default settings does not allow you to complete a successful boot sequence, you should turn off the power.

- Real time clock error

Real-time clock fails BIOS test. May require board repair.

- System battery is dead - Replace and run SETUP

The BIOS CMOS RAM memory battery is dead. This is part of your BIOS and is a board mounted battery. You can continue operating but you will have to use setup utility default values or reconfigure your setup utility every time you turn off your computer. The battery has an expected life of 2 to 3 years.

- System RAM Failed at offset: nnnn

System memory failed at offset nnnn of in the 64k block at which the error was detected. This means that there is a fault in the built-in memory. If you continue to operate, you risk corrupting your data.

- nnnn System RAM Passed

Where nnnn is the amount of system memory in kilobytes successfully tested.

- System timer error

The timer test failed. The main clock that operates the computer is faulty. Requires repair of system board.

- UMB upper limit segment address: nnnn

Displays the address of the upper limit of Upper Memory Blocks, indicating released segments of the BIOS memory which may be reclaimed by a virtual memory manager.

Appendix C Tested Devices

The following devices have been tested with the FlyBook computer. We recommend that you use these devices when configuring the system.

DDR SO-DIMM Modules

- A-DATA 256M (A-DATA)
- Kingmax 256M (Kingmax)
- Transcend 256M (Samsung)

PCMCIA/CF/CardBus

- IBM MicroDrive
- Lucent Orinoco WLAN
- Socket LP-E 10/100 LAN
- Pretec 56K compact Modem
- Buffalo AirStation WLI-CF-S11G
- Asus wireless WL-100 PCMCIA 802.11b card

USB

- SanDisk cruzer 128M
- Logitech QuickCAM Express
- Billionton USB 2.0 card reader
- Cypress USB 2.0
- Logitech Wheel mouse

- Aten VH-107 7 ports USB hub
- Fujitsu card reader
- Zippy WK-712 USB keyboard+USB hub
- Wintek WK-360 USB keyboard
- External enclosure
- Juster SP-16050 USB speaker (Philips DSS 330 speaker)
- Mitsumi D35GUE USB floppy
- Beckin USB mouse
- Intopic USB mouse
- Billionton Bluetooth
- WLAN PRISM3 IEEE 802.11b
- Sony MicroVault USB drive 64MB
- Apacer Mega STENO Multi-card
- IOMEGA ZIP250
- D-Link Wireless USB Adaptor 11Mbps
- LITEON LXR-24101A CD-RW
- OLYMPUS MOS3390S Mini 640MO
- ASUS CRW-5224A CD-RW
- Genuine K371 Keyboard
- Acer MP3 player
- Creative Extigy Sound Blaster
- Exactek USB 2.0

IEEE 1394

- Prolific PL3507 Combo device

